

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 10/791,927

Art Unit: 2627

Filing Date: 03/02/2004

Examiner: KAYRISH, MATTHEW

First Named Inventor: Matthew J. Carey

Date: June 13, 2007

**Title: MAGNETORESISTIVE SENSOR WITH ANTFERROMAGNETIC EXCHANGE-COUPLED STRUCTURE HAVING UNDERLAYER FOR ENHANCING CHEMICAL-ORDERING IN THE ANTFERROMAGNETIC LAYER**

**AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This is in response to the Office communication mailed 04/30/2007.

None of the claims are being amended but are presented below in their current state of prosecution.